Appl. No. 10/790,722

Amendment dated: February 28, 2008 Reply to OA of: November 30, 2007

This listing of claims will replace all prior versions and listings of claims in the application.

## **Listing of Claims**:

1(currently amended). A release agent for <u>producing</u> <del>non-substrate</del> liquid crystal display element <u>without substrate</u>, comprising

- (a) 2-20 wt% of compounds selected from the group consisting of silicone, fluorine compounds and mixtures thereof; and
- (b) 0.5-30 wt% (based on the weight of (a)) 0.01-6 wt% of release modifier;

## (c) 74-97.99 wt% of solvents

wherein the release agent is applied to the assisting substrates in the process of non-substrate liquid crystal display, so the assembled liquid crystal display element can be separated from the assisting substrates and a liquid crystal display element is acquired.

2(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 1, wherein said release agent comprises (a) 3-7 wt% of compounds selected from the group consisting of silicone, fluorine compounds and mixtures thereof; and (b) 3-20 wt% (based on the weight of (a)) 0.09-1.4 wt% of release modifier.

3(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 1, wherein said release modifier is silicone release modifier.

4(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 3, wherein said silicone release modifier is a silicone compound having the following linear molecular structure:

Appl. No. 10/790,722

Amendment dated: February 28, 2008 Reply to OA of: November 30, 2007

**(I)** 

wherein  $R_1$  is C1-3 alkyl;  $R_2$  is hydrogen atom, C1-3 alkyl or C2-10 alkenyl;  $R_3$  is C1-3 alkyl or phenyl; said silicone compound has molecular weight of 3,500 ~ 30,000; when calculated by molecular weight,  $(-Si(R_1)(R_1)O_1)_m$  accounts for  $60 \times 85 \times 95\%$  of silicone compound,  $(-Si(R_1)(R_2)O_1)_n$  accounts for  $0 \times 10 \times 10 \times 10^n$  accounts for  $0 \times 10^n$  accounts for

5(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 4, wherein R<sub>1</sub> is methanyl methyl.

6(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 4, wherein R<sub>2</sub> is hydrogen atom, vinyl or methanyl methyl.

7(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 4, wherein R<sub>3</sub> is methanyl methyl or phenyl.

8-10(canceled).

11(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 1, wherein said release agent further comprises a catalyst which includes platinum catalyst, sulfuric acid, hydrochloride acid, or acetic acid.

Appl. No. 10/790,722

Amendment dated: February 28, 2008 Reply to OA of: November 30, 2007

12-14(canceled).

15(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 1, wherein said assisting substrates comprise glass, wafer, Teflon, ceramic or polymer substrate.

16(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 1, wherein said silicon silicone is a silicon silicone polymer comprises comprising Si-H and Si-CH=CH<sub>2</sub> with molar ratio of Si-H to Si-CH=CH<sub>2</sub> between 1.2 and 4.8 and molecular weight between 100,000 and 1,000,000.

17(currently amended). The release agent for non-substrate liquid crystal display element according to Claim 16, wherein said silicon silicone is a silicon silicone polymer comprises comprising Si-H and Si-CH=CH<sub>2</sub> with molar ratio of Si-H to Si-CH=CH<sub>2</sub> between 2.0 and 3.5 and molecular weight between 300,000 and 700,000.

18(canceled).